

3.17-3.20 Unit Outline

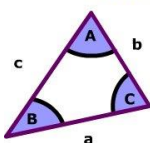
Name _____ Date _____ Period _____

Learning Target	Assessment	M.L. 4	M.L. 3	M.L. 2	M.L. 1
1. I can use the Law of Sines to solve triangles.	3.17 WS 3.17-3.18 Quiz 3.17-3.20 Review 3.17-3.20 Test				
2. I can use the Law of Cosines to solve triangles.	3.18 WS 3.17-3.18 Quiz 3.17-3.20 Review 3.17-3.20 Test				
3. I can use the Law of Sines and Cosines to solve real world problems.	3.17 WS 3.18 WS 3.17-3.18 Quiz 3.17-3.20 Review 3.17-3.20 Test				
4. I can find the area of any triangle.	3.18 WS 3.17-3.18 Quiz 3.17-3.20 Review 3.17-3.20 Test				
5. I can find the magnitude of a vector.	3.19 WS 3.19-3.20 Quiz 3.17-3.20 Review 3.17-3.20 Test				
6. I can find the direction angle of a vector.	3.19 WS 3.19-3.20 Quiz 3.17-3.20 Review 3.17-3.20 Test				
7. I can write a vector in component form.	3.19 WS 3.19-3.20 Quiz 3.17-3.20 Review 3.17-3.20 Test				
8. I can find the angle between two vectors.	3.19 WS 3.19-3.20 Quiz 3.17-3.20 Review 3.17-3.20 Test				
9. I can perform algebraic operations with vectors.	3.19 WS 3.19-3.20 Quiz 3.17-3.20 Review 3.17-3.20 Test				
10. I can use applications of vectors to solve real world problems	3.20 WS 3.19-3.20 Quiz 3.17-3.20 Review 3.17-3.20 Test				

Mastery Level 4 = I've got this - I can teach this to others. **Mastery Level 3** = I understand - I can do this by myself. **Mastery Level 2** = I mostly get it - I can do this with help. **Mastery Level 1** = I don't understand - I cannot do this yet.

$$\frac{\sin(A)}{a} = \frac{\sin(B)}{b} = \frac{\sin(C)}{c}$$

$$\frac{a}{\sin(A)} = \frac{b}{\sin(B)} = \frac{c}{\sin(C)}$$



Law of Cosines

$$a^2 = b^2 + c^2 - 2bc \cdot \cos(A)$$

$$b^2 = a^2 + c^2 - 2ac \cdot \cos(B)$$

$$c^2 = a^2 + b^2 - 2ab \cdot \cos(C)$$

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